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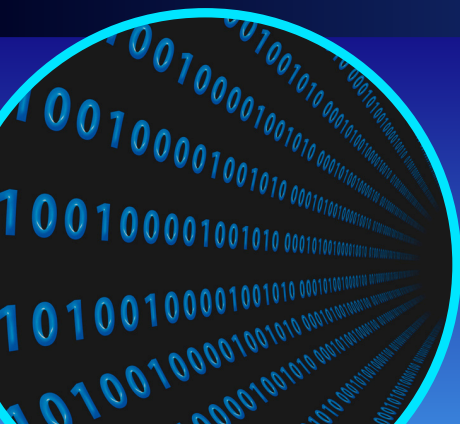
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SECURE HSM AUTHSERVER

SECURE PASSWORD AUTHORIZATION SOLUTION USING HSM
(Hardware Security Module)

If you are running access applications for your customers such as Internet Banking, Phone Banking or any login applications, then you may be currently employing

- Some form of software based password verification algorithm to generate, change and verify those passwords of your customers.
- The algorithms used may also not permit use of alphanumeric characters and unlimited password lengths.
- There may be passwords or hash values saved in the database that are prone to theft.
- There may not be a secure way to generate and distribute the default password.



The PASSWORD AUTHSERVER will be connected to the Web Application servers via TCP/IP (REST interface). An HSM will be physically attached to the server through TCP/IP. A printer will be physically connected to the HSM printer port for secure password mailer printing for the default password. PIN mailers will be printed using standard dot matrix printer based PIN mailers or Laser Printer based PIN sticker based PIN mailers.



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TECHNOLOGIES USED

- RedHat Linux
- MySQL
- Apache Tomcat
- Java

FEATURES AND FUNCTIONALITIES

- Initial random password generated by an HSM and employ direct PIN mailer printing to distribute the password.
- Password change supported.
- Password can be Alphanumeric.
- Any password length can be supported.
- Uses a hardware security module and uses the ATM PIN verification technology to verify passwords. Password verification key is securely protected using the HSM. No hash values or passwords stored in the database.
- Generate truly random default passwords and OTPs using HSM.

IDEAL FOR

- Any password authenticating application.
- Any one time token authenticating application.

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